To: Peterson, Cynthia[Peterson.Cynthia@epa.gov]
From: Schmittdiel, Paula
Sent: Mon 9/15/2014 8:18:36 PM
Subject: FW:
oct2012_loads.pdf

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-----Original Message-----
From: Rob Runkel [mailto:runkel@usgs.gov]
Sent: Thursday, September 11, 2014 2:35 PM
To: Way, Steven; Wall, Dan; Schmittdiel, Paula; Lewis, Brent R
Subject:

Dear All --

Here's a revised loading table for the Oct 2012 data; this is the basic information that went into the bar chart from my June 2013 presentation to the stakeholders. I did make one small change in the flow profile during model calibration that resulted in a small increase in the loads attributable to the Upper Animas. But the basic findings are the same.

Although the basic findings are the same, the fresh look at these numbers reveals a few things that are of importance (and that perhaps we already knew..). Focusing on the 4 metals that are above standards all the way to A72 -- Al, Cd, Fe, and Zn -- I plan to make the following points...

Al -- the top 7 loaders (84% of the load) are all downstream of Gladstone;
only 6.6% of the load is from above Gladstone;

Cd -- the top 2 loaders (40% of load) are downstream of Gladstone;
26% fo the load is from above Gladstone;

Fe -- the top 2 loaders (64%) are downstream of Gladstone;
17.6% of the load is from above Gladstone

Zn -- 41% of the loading is from above Gladstone, including the largest loader, the Red & Bonita (19%)

Overall the Gladstone area is an appropriate focus if you're looking at Zn; not so much for Al, Cd, and Fe.

Mineral Creek is an important source (Al: #1 source; Cd: #2 source; Fe: #2 source)

Prospect Gulch is an important source (Al: #2; Fe: #1;).

U. Animas is an important source (Cd: #1; Zn: #2)

I still need to sum all the Cement loads so that I'm comparing apples and apples when looking at Mineral

and U Animas.

-- Rob

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